

Clamping device for shoelaces or the like lacing devices

Claims

1. Clamping device (1) for shoelaces (2) or the like lacing devices with clamping jaws, between which the shoelace (2) can be locked in a closed position and moved back and forth in an open position, wherein the clamping device (1) is engageable in an open position
is characterized in that
the engagement in an open position of the clamping device (1) is releasable by a movement of the shoelace (2) to be locked in a direction out of the pulling direction of the shoelace (2).
2. Device (1) according to claim 1
is characterized by
a base (3) guiding the shoelace (2), a movable slider (4) mounted at the base (3) and an elastic element (5) effective between base (3) and slider (4) against its force the clamping device (1) can be set to an open position.
3. Device (1) according to claim 1 or 2
is characterized by

a shell-like design of base (3) and slider (4) associated with each other in a way to delimit a shoelace holding space (6).

4. Device (1) according to claim 2 or 3
is characterized, that
the shoelace is clampable between base (3) and slider (4).
5. Device (1) according to claim 4
is characterized by
a cogged design of the sides (7,8) of base (3) and/or slider (4) facing the shoelace.
6. Device (1) according to one of the claims 2 to 5
is characterized, that
the elastic element (5) is a spring mounted between base (3) and slider (4), particularly a helical compression spring.
7. Device (1) according to one of the claims 2 to 6
is characterized, that
the base (3) includes a baseplate (9) for an attachment at the tongue of a shoe or to the rim of a rucksack opening or the like container.
8. Device (1) according to one of the claims 2 to 7
is characterized by
a trough or the like handle is formed at the slider (4).
9. Device (1) according to one of the claims 2 to 8
is characterized by
a slider (4), that shows a single protrusion (11), allowing to engage slider (4) in open position of the clamping device (1) at the base (3), where slider (4) is held in engaged position against the effect of an elastic element

mounted between slider (4) and base (3).

10. Device (1) according to claim 9

i s c h a r a c t e r i z e d b y

a protrusion (11), that can be moved beyond an edge (12) of the base (3) in a way, that slider (4) can be tilted into the motion path of the shoelaces (2).

11. Shoe (16) with a clamping device (1) for shoelaces (2) according to one of the previous claims.

12. Shoe (16) according to claim 11

i s c h a r a c t e r i z e d b y

a shoelace (2) forming a loop at one handling end (17) to allow a handling of the same with a single finger.

13. Shoe (16) according to claim 12

i s c h a r a c t e r i z e d b y

a loop which is provided with a sleeve-shaped handle (18).

14. Shoe (16) according to one of the claims 11 to 13

i s c h a r a c t e r i z e d b y

shoelace ends or a shoelace loop and/or the handle (18) of the shoelace, that are in an action engagement with an elastic band (19), so that the shoelace (2) and optionally its handle (18) is pulled towards the shoe (16) by the band.

15. Shoe (16) according to claim 13

i s c h a r a c t e r i z e d, t h a t

the elastic band (19) at the shoe (16) is guided in band guides (20),

optionally each also including the guide for the shoelace (2).

16. Shoe (16) according to claim 14 or 15

is characterized, that

the elastic band (19) is guided through a receiving channel (21) attached to the shoe (16), particularly around the shaft of the shoe.

Summary

Clamping device (1) for shoelaces (2) or the like lacing devices with clamping jaws, between which the shoelace (2) can be locked in a closed position and moved back and forth in an open position, wherein the clamping device (1) is engageable in an open position wherein the engagement in an open position of the clamping device (1) is releasable by a movement of the shoelace (2) to be locked in a direction out of the pulling direction of the shoelace (2) as well as a shoe with a clamping device (1) in accordance to the invention.